

Sigit Prastowo

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

321
citations

1307594

7
h-index

940533

16
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83
all docs

83
docs citations

83
times ranked

356
citing authors

#	ARTICLE	IF	CITATIONS
1	Bovine embryo survival under oxidative stress conditions is associated with activity of the NRF2-mediated oxidative stress response pathway. <i>Molecular Reproduction and Development</i> , 2014, 81, 497-513.	2.0	70
2	Understanding divergent domestication traits from the whole-genome sequencing of swamp- and river-buffalo populations. <i>National Science Review</i> , 2020, 7, 686-701.	9.5	43
3	Floor space and betaine supplementation alter the nutrient digestibility and performance of Japanese quail in a tropical environment. <i>Journal of Thermal Biology</i> , 2019, 83, 80-86.	2.5	28
4	Sulforaphane protects granulosa cells against oxidative stress via activation of NRF2-ARE pathway. <i>Cell and Tissue Research</i> , 2018, 374, 629-641.	2.9	25
5	Intestinal and hepatic coccidiosis among rabbits in Yogyakarta, Indonesia. <i>Veterinary World</i> , 2019, 12, 1256-1260.	1.7	14
6	Fateful triad of reactive oxygen species, mitochondrial dysfunction and lipid accumulation is associated with expression outline of the AMP-activated protein kinase pathway in bovine blastocysts. <i>Reproduction, Fertility and Development</i> , 2017, 29, 890.	0.4	13
7	Chicken Coccidiosis in Central Java, Indonesia: A Recent Update. <i>Veterinary Medicine International</i> , 2018, 2018, 1-7.	1.5	12
8	Rooms for genetic improvement in Indonesian Bali cattle population. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 193, 012037.	0.6	9
9	Preliminary analysis on hybrid vigor in Indonesian indigenous and crossbred cattle population using data from published studies. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 193, 012028.	0.6	8
10	Bovine coccidiosis cases of beef and dairy cattle in Indonesia. <i>Veterinary Parasitology: Regional Studies and Reports</i> , 2019, 17, 100298.	0.5	8
11	The effect of activated silicon dioxide and betaine supplementation on quails' growth and productivity. <i>Veterinary World</i> , 2021, 14, 2009-2015.	1.7	6
12	Telaah potensi hybrid vigor sifat bobot badan pada silangan kambing Boer dan Jawarandu. <i>Jurnal Ilmu-Ilmu Peternakan</i> , 2019, 29, 65-74.	0.2	6
13	Egg production pattern of quails given diets containing different energy and protein contents. <i>AIP Conference Proceedings</i> , 2018, . .	0.4	5
14	Birth and weaning weight of kids from different Boer goat crosses. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 142, 012010.	0.3	4
15	Egg production patterns of quails given diets with different nutrient density. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 633, 012019.	0.6	4
16	Milk production of imported Holstein cows over different environment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 633, 012021.	0.6	4
17	Individual Variance Component of Fresh Semen Quality in Bali Cattle (<i>Bos javanicus</i>) Bull. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 372, 012025.	0.3	4
18	Employing logistic model to predict the egg production of quails receiving digestibility enhancer supplementation. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 637, 012073.	0.3	4

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19	Persistency of milk yield in Indonesian Holstein cows. IOP Conference Series: Earth and Environmental Science, 2018, 142, 012005.	0.3	3
20	Age effect on post freezing sperm viability of Bali cattle (<i>Bos javanicus</i>). IOP Conference Series: Earth and Environmental Science, 2018, 142, 012007.	0.3	3
21	Predicting Madura cattle growth curve using non-linear model. IOP Conference Series: Earth and Environmental Science, 2018, 142, 012006.	0.3	3
22	Digestibility enhancer affects quail growth trajectory at growing phase. AIP Conference Proceedings, 2019, , .	0.4	3
23	Reproductive Rate Performance of Boer Goat and Its F1 Cross in Indonesia. IOP Conference Series: Earth and Environmental Science, 2019, 334, 012008.	0.3	3
24	Phenotypic and Genetic Correlations of Growth Traits in Bali Cattle Breeding Population. IOP Conference Series: Earth and Environmental Science, 2019, 372, 012032.	0.3	3
25	Genetic parameters on Bali cattle progeny test population. IOP Conference Series: Earth and Environmental Science, 2018, 142, 012003.	0.3	2
26	Effect of season on semen production and quality parameter in Indonesian Bali cattle (<i>Bos javanicus</i>). AIP Conference Proceedings, 2018, , .	0.4	2
27	Microsatellite selection candidate associated with reproduction trait in Indonesian Friesian Holstein using published studies. AIP Conference Proceedings, 2018, , .	0.4	2
28	Egg production trajectories of quails fed moderate energy and protein levels supplemented with digestibility enhancer. IOP Conference Series: Earth and Environmental Science, 2019, 387, 012003.	0.3	2
29	Madura cattle stratification as a signature of traditional selection and diverse production systems. IOP Conference Series: Earth and Environmental Science, 2019, 387, 012120.	0.3	2
30	Methionine supplementation to quails diet improves egg weight consistency. IOP Conference Series: Earth and Environmental Science, 0, 637, 012018.	0.3	2
31	Simulating allele frequency changes in Indonesian goat crossbreeding scenarios. IOP Conference Series: Earth and Environmental Science, 0, 637, 012025.	0.3	2
32	Application of logistic model to predict egg production pattern of quails given a low-energy diet supplemented with methionine. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012017.	0.3	2
33	Follicular characteristics of quails fed diets containing different nutrient contents. AIP Conference Proceedings, 2018, , .	0.4	1
34	In-silico identification of microRNAs potentially targeting the PGC1 α gene that regulates bovine mitochondrial biogenesis. AIP Conference Proceedings, 2018, , .	0.4	1
35	Repeatability estimate as the upper bound of genetics and permanent environmental effect in quails's egg production. AIP Conference Proceedings, 2018, , .	0.4	1
36	Precaution in Introducing Double-Muscléd Exotic Breeds into Indonesian Cattle Population. IOP Conference Series: Earth and Environmental Science, 2018, 207, 012022.	0.3	1

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37	The number of service per conception of Indonesian Friesian Holstein with artificial insemination in Selo, Boyolali, Central Java, Indonesia. IOP Conference Series: Earth and Environmental Science, 2018, 142, 012004.	0.3	1
38	Predicting yolk and albumen weight using egg weight of quails (<i>Coturnix coturnix japonica</i>) fed diet supplemented with betaine. IOP Conference Series: Materials Science and Engineering, 2019, 633, 012018.	0.6	1
39	Polymorphism scanning of HSP90AB1 gene in local Friesian Holstein as molecular marker for heat stress resistance. E3S Web of Conferences, 2021, 306, 05016.	0.5	1
40	Reproductive performance comparison between natural and artificial service in Jawarandu goat. IOP Conference Series: Earth and Environmental Science, 0, 637, 012028.	0.3	1
41	Deleterious effect of short-term gavage of an ethanol extract of cogon grass (<i>Imperata cylindrica</i> L.) roots on testis and epididymal sperm quality. Veterinary World, 2020, 13, 1311-1318.	1.7	1
42	Kualitas semen segar sapi Bali (<i>Bos javanicus</i>) pada kelompok umur yang berbeda. Jurnal Ilmu Ternak Universitas Padjadjaran, 2018, 18, 1.	0.0	1
43	Estimation of most probable producing ability of Bali cattle semen quality. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012008.	0.3	1
44	Molecular screening of bovine β -casein (CSN2) A2 variant in Indonesian Holstein dairy cattle as attempt to produce digestive friendly milk. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012060.	0.3	1
45	The effect of betaine supplementation on performance of laying hens in the tropical climate during the starting period. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012043.	0.3	1
46	Study association of bPRL (Bovine Prolactin) gene and milk production trait in Indonesian Holstein dairy cattle. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012007.	0.3	1
47	Egg production parameters of quails receiving dietary betaine supplementation with different floor space in a tropical environment. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012028.	0.3	1
48	Effect of betaine supplementation on the growth pattern of quails reared in a tropical environment. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012018.	0.3	1
49	Fitness of logistics model for predicting quails egg production reared in a tropical environment with dietary betaine supplementation. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012020.	0.3	1
50	Variasi Genotipe dan Alel Gen PIT1 HinfI pada Sapi Perah Friesian Holstein Lokal di Boyolali Jawa Tengah. Jurnal Ilmu Peternakan Dan Veteriner Tropis (Journal of Tropical Animal and Veterinary Science), 2022, 12, .	0.2	1
51	In silico study of protein to protein interaction analysis of AMP-activated protein kinase and mitochondrial activity in three different farm animal species. IOP Conference Series: Earth and Environmental Science, 2018, 142, 012009.	0.3	0
52	Candidacy of microsatellite associated with body conformation for Indonesian Friesian Holstein dairy cattle genetic selection. AIP Conference Proceedings, 2018, , .	0.4	0
53	The consistency of quail's egg production supplemented with vitamin C in the diets. IOP Conference Series: Materials Science and Engineering, 2019, 633, 012020.	0.6	0
54	Genetic parameters of milk yield from three consecutive lactation periods of imported Holstein cows. AIP Conference Proceedings, 2019, , .	0.4	0

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55	Milk components biosynthesis of Indonesian Friesian Holstein dairy cattle at a different milking interval. AIP Conference Proceedings, 2019, , .	0.4	0
56	Validating Egg Component Proportions in Quail Receiving Methionine Supplementation. IOP Conference Series: Earth and Environmental Science, 2019, 372, 012015.	0.3	0
57	Adopting Intraclass Correlation Principles to Estimate the Consistency of Egg Production of Quails Supplemented with Metabolic Enhancer. IOP Conference Series: Earth and Environmental Science, 2019, 372, 012017.	0.3	0
58	Target gene prediction and pathway analysis of miRNA targeted AMPK involved in lipid accumulation of bovine granulosa cell luteinization. IOP Conference Series: Earth and Environmental Science, 2019, 387, 012011.	0.3	0
59	Efficacy of betaine as carcass modifier in female broiler chickens to produce leaner carcass for human consumption. IOP Conference Series: Materials Science and Engineering, 2019, 633, 012017.	0.6	0
60	Revisiting the application of classical formulas to estimate Bali cattle's body weight based on body measurement variables. IOP Conference Series: Earth and Environmental Science, 0, 637, 012037.	0.3	0
61	Vaccine of live attenuated Eimeria coecicola boosts immunity against coccidiosis for sustainable rabbit production in Yogyakarta, Indonesia. IOP Conference Series: Earth and Environmental Science, 2021, 821, 012011.	0.3	0
62	Divergent selection towards body weight and betaine supplementation on quails performance in tropical environment. E3S Web of Conferences, 2021, 306, 05017.	0.5	0
63	Conventional and Mixed Model Approach to Estimate Heterosis of the Growth Traits in Boer Goat's Crossbred Offspring Populations. Caraka Tani: Journal of Sustainable Agriculture, 2018, 34, 55.	0.6	0
64	Tampilan estrus kambing Peranakan Etawa dalam program sinkronisasi menggunakan prostaglandin F2± yang diinjeksikan pada submukosa vulva. ARSHI Veterinary Letters, 2019, 3, 33-34.	0.1	0
65	Sinkronisasi Estrus Sapi Peranakan Ongole di Kelompok Tani Sri Mulyo. PRIMA Journal of Community Empowering and Services, 2020, 4, 88.	0.1	0
66	MODEL FIT AND THE ACCURACY OF METHODS PREDICTING BODY WEIGHT FROM BODY MEASUREMENTS IN INDONESIAN BALI CATTLE (BOS JAVA INCUS Dâ€™ALTON, 1823) POPULATION. Applied Ecology and Environmental Research, 2021, 19, 3931-3943.	0.5	0
67	The effect of individual variation on litter weight in Boer and Jawarandu goat crossbreed. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012014.	0.3	0
68	Betaine supplementation to adequate nutrient diet does not affect the growth performance of quails divergently selected based on bodyweight. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012057.	0.3	0
69	Eimeria piriformis live-attenuated vaccine is successfully lower clinical coccidiosis of rabbits raised in tropic. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012037.	0.3	0
70	Weaning rate, birth weight, and weaning weight of Jawarandu and Boer crossbreed goat from naturally serviced and artificially inseminated does. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012029.	0.3	0
71	Combined supplementation of betaine and vitamin C improves the performance of quails raised in the tropics with reduced floor space. IOP Conference Series: Earth and Environmental Science, 2021, 905, 012107.	0.3	0
72	Dam effect confirmation on weaning weight of Boer Goat crosses in Indonesia. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012001.	0.3	0

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73	Epididymal sperm quality of Kacang goat preserved in low temperature for genetic material utilization in assisted reproductive technologies. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012004.	0.3	0
74	miRNA target prediction of avian Z-linked DMRT1 gene during sex determination in chicken (G. Gallus). IOP Conference Series: Earth and Environmental Science, 2021, 905, 012148.	0.3	0
75	Assisted reproductive technology in tropical animals: Case in Pasundan cattle genetic conservation and utilization. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012036.	0.3	0
76	Systematic factors and individual variation affecting litter size of Boer and Jawarandu goat cross. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012009.	0.3	0
77	Non-linear prediction model for egg production of quails the tropics with methionine supplementation. IOP Conference Series: Earth and Environmental Science, 2021, 902, 012019.	0.3	0
78	A bivalent vaccine of Eimeria media and Eimeria intestinalis yields protective immunity against coccidiosis during rabbit production. E3S Web of Conferences, 2022, 335, 00006.	0.5	0
79	Perubahan frekuensi alel gen Growth Hormone pada populasi kambing keturunan Boer dan hubungannya dengan ukuran tubuh. Jurnal Ilmu Ternak Universitas Padjadjaran, 2021, 21, 18.	0.0	0
80	Penyuluhan Manajemen Kesehatan Sapi Potong dan Penyakit Zoonosis di Kelompok Tani Kenteng Makmur, Ngargoyoso, Karanganyar. AgriHealth Journal of Agri-food Nutrition and Public Health, 2022, 3, 10.	0.1	0
81	Association of Lactoferrin (LTF) Gene Variation to Milk Yield in Indonesian Friesian Holstein. IOP Conference Series: Earth and Environmental Science, 2022, 1020, 012003.	0.3	0